

Appl. No. 10/726,171
Amdt. dated February 24, 2006
Reply to Office Action of September 26, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original). A water gas shift catalyst comprising platinum and rhenium on an anatase titanium dioxide support doped with lanthanum oxide.

Claim 2 (currently amended). The catalyst of Claim 1 wherein said lanthanum comprises from about 0.1 wt% ~~up~~ to about 20 wt% of the catalyst.

Claim 3 (currently amended). The catalyst of Claim 1 wherein said platinum and plus said rhenium comprise about 20 wt% of said catalyst, in total.

Claim 4 (original). The catalyst of Claim 1 wherein said platinum is present at a higher concentration than said rhenium.

Claim 5 (original). The catalyst of Claim 4 wherein said platinum to rhenium ratio is from about 1 Pt : 0.9 Re to about 5 Pt : 1 Re.

Claim 6 (original). The catalyst of Claim 5 wherein said platinum:rhenium ratio is about 3:1.

Claim 7 (currently amended). The catalyst of Claim 1 further comprising an additive selected from the group consisting of cerium, zirconium, tungsten and combinations a ~~combination~~ thereof.

Claim 8 (original). The catalyst of Claim 7 wherein said additive is present at a concentration of up to about 20 wt% in the catalyst.

Claim 9 (original). A water gas shift catalyst comprising platinum, rhenium and cerium on an anatase titanium dioxide support doped with lanthanum oxide.

Claim 10 (currently amended). The catalyst of Claim 9 wherein said lanthanum ~~is~~ comprises from about 0.1 wt% ~~up~~ to about 20 wt% of the catalyst.

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Claim 11 (currently amended). The catalyst of Claim 1 wherein said platinum and ~~plus~~ said rhenium comprise about 20 wt% of said catalyst, in total.

Claim 12 (original). The catalyst of Claim 11 wherein said platinum is present at a higher concentration than said rhenium and said platinum to rhenium ratio is from about 1 Pt : 0.9 Re to about 5 Pt : 1 Re.

Claim 13 (original). The catalyst of Claim 9 wherein said cerium is present at a concentration of up to about 20 wt% in the catalyst.

Claim 14 (original). A water gas shift catalyst comprising platinum, rhenium and lanthanum on an anatase titanium dioxide support.

Claim 15 (currently amended). The catalyst of Claim 14 wherein said lanthanum comprises from about 0.1 wt% ~~up~~ to about 20 wt% of the catalyst.

Claim 16 (currently amended). The catalyst of Claim 14 wherein said platinum and ~~plus~~ said rhenium comprise about 20 wt% of said catalyst, in total.

Claim 17 (original). The catalyst of Claim 14 wherein said platinum is present at a higher concentration than said rhenium and wherein said platinum to rhenium ratio is from about 1 Pt : 0.9 Re to about 5 Pt : 1 Re.

Claim 18 (currently amended). The catalyst of Claim 14 further comprising an additive selected from the group consisting of cerium, zirconium, tungsten and combinationsa ~~combination~~ thereof.

Claim 19 (original). The catalyst of Claim 18 wherein said additive is present at a concentration of up to about 20 wt% in the catalyst.